

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gregory M. Waters, Larry R. Dennison, Philip P. Carvey, William J. Dally  
and William F. Mann

Continuation Application of

Application No.: 10/167,689

Filed: June 11, 2002

For: PREFIX SEARCH CIRCUITRY AND METHOD

<p>Date: <u>7/28/03</u></p> <p>EXPRESS MAIL LABEL NO. <u>EV 215729326 VS</u></p>
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application  
filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☒ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. 09/140,030, to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
  - ☐ the explanation provided in the Specification.
  - ☐ submission of the enclosed International Search Report.
  - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
  - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

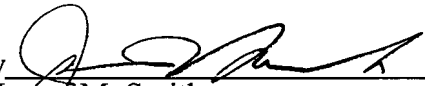
Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

  
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Telephone: (978) 341-0036  
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Concord, MA 01742-9133

Dated: 7/28/7

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>July 28, 2003</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2390.1005-007	CONT. OF APPLICATION NO. 10/167,689	
	APPLICANT Gregory M. Waters, <i>et al.</i>		
	FILING DATE	CONFIRMATION NO.	GROUP

U.S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AA	5,909,440	Jun. 1999	Ferguson, <i>et al.</i>
	AB	5,787,430	Jul. 1998	Doeringer, <i>et al.</i>
	AC	6,147,996	Nov. 2000	Laor, <i>et al.</i>
	AD	6,011,795	Jan. 2000	Varghese, <i>et al.</i>
	AE	5,983,223	Nov. 1999	Perlman
	AF	6,081,522	Jun. 2000	Hendel, <i>et al.</i>
	AG	5,729,228	Mar. 1998	Franaszek, <i>et al.</i>
	AH	5,946,679	Aug. 1999	Ahuja, <i>et al.</i>
	AI	6,052,683	Apr. 2000	Irwin
	AJ	6,018,524	Jan. 2000	Turner, <i>et al.</i>
	AK			
	AA2			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Perlman, Radia, "Interconnections, Bridges and Routers," Addison Wesley, 1992, pp. 233-239.	
AS	Cormen, Leiserson and Rivest, "Introduction to Algorithms," 1990, pp. 381-399.	
AT	Lampson, B., <i>et al.</i> , "IP Lookups using Multiway and Multicolumn Search," 26 pp., May 1998.	
AU	Doreinger, <i>et al.</i> , "Routing On Longest-Matching Prefixes," IEEE/ACM Transactions on Networking, Vol. 4, No. 1, February 1996, pages 86-97.	
AV	Zitterbart, <i>et al.</i> , "Efficient Routing Table Lookup for IPv6", High-Performance Communications Systems, June 1997, The Fourth IEEE Workshop, pages 1-9.	
AW	Computer Dictionary, Microsoft Press, Redmond, Washington, 1997, Page 456.	
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